

Name: _____ Date: _____ Period: _____

Use the formula for finding the slope and calculate the slope of the lines that exist between the following points:

Example 1: $(-4, 7), (3, -2)$

a) Label the Points P_1, P_2 therefore $P_1(-4, 7), P_2(3, -2)$

b) Identify (x_N, y_N) – relative to Point N .

$P_1(x_1, y_1), P_1(-4, 7)$ therefore $x_1 = -4, y_1 = 7$

$P_2(x_2, y_2), P_2(3, -2)$ therefore $x_2 = 3, y_2 = -2$

c) Use Slope Formula, $m = \frac{y_2 - y_1}{x_2 - x_1}$ for points P_1, P_2 . $m = \frac{-2 - 7}{3 - (-4)} = \frac{-9}{7}$ or $m = -\frac{9}{7}$

1. (10,-2) (5,-7)	2. (5,-5) (-4,4)

3. (3,-2) (6, 2)	4. (6,-2) (12,-4)

5. (1,2) (-1,-1)	6. (0, 2) (-3,-2)

7. (-3,-2) (-5,-4)	8. (10,-2) (5,0)